

PCT 09

John

DATE: 06/08/2001
TIME: 09:23:02RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/744,431Input Set : A:\es.txt
Output Set: N:\CRF3\06082001\I744431.raw

3 <110> APPLICANT: Eli Lilly and Company
 5 <120> TITLE OF INVENTION: FSH AND FSH VARIANT FORMULATIONS, PRODUCTS AND METHODS
 7 <130> FILE REFERENCE: X12383M Sequence Listing
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/744,431
 C--> 10 <141> CURRENT FILING DATE: 2001-05-14
 12 <150> PRIOR APPLICATION NUMBER: 60/093906
 13 <151> PRIOR FILING DATE: 1998-07-23
 15 <150> PRIOR APPLICATION NUMBER: 60/094611
 16 <151> PRIOR FILING DATE: 1998-07-30
 18 <150> PRIOR APPLICATION NUMBER: 60/094767
 19 <151> PRIOR FILING DATE: 1998-07-31
 21 <150> PRIOR APPLICATION NUMBER: 60/098711
 22 <151> PRIOR FILING DATE: 1998-09-01
 24 <150> PRIOR APPLICATION NUMBER: 60/100696
 25 <151> PRIOR FILING DATE: 1998-09-17
 27 <160> NUMBER OF SEQ ID NOS: 20
 29 <170> SOFTWARE: PatentIn Ver. 2.0
 31 <210> SEQ ID NO: 1

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32 <211> LENGTH: 96
 33 <212> TYPE: PRT
 34 <213> ORGANISM: mammalian
 36 <400> SEQUENCE: 1
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 40 Lys Glu Asn Lys Tyr Phe Ser Lys Pro Asp Ala Pro Ile Tyr Gln Cys
 41 20 25 30
 43 Met Gly Cys Cys Phe Ser Arg Ala Tyr Pro Thr Pro Ala Arg Ser Lys
 44 35 40 45
 46 Lys Thr Met Leu Val Pro Lys Asn Ile Thr Ser Glu Ala Thr Cys Cys
 47 50 55 60
 49 Val Ala Lys Ala Phe Thr Lys Ala Thr Val Met Gly Asn Val Arg Val
 50 65 70 75 80
 52 Glu Asn His Thr Glu Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser
 53 85 90 95
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 61 <212> TYPE: PRT
 62 <213> ORGANISM: mammalian
 64 <400> SEQUENCE: 2
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 66 1 5 10 15
 68 Cys Gly Phe Cys Ile Ser Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys
 69 20 25 30
 71 Tyr Thr Arg Asp Leu Val Tyr Arg Asp Pro Ala Arg Pro Asn Ile Gln
 72 35 40 45
 74 Lys Thr Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Lys Val Pro
 75 50 55 60

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77 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
78 65 70 75 80
80 Glu Cys His Cys Ser Lys Cys Asp Ser Asp Ser Thr Asp Cys Thr Val
81 85 90 95
83 Arg Gly Leu Gly Pro Ser Tyr Cys Ser Phe Arg Glu Ile Lys Glu
84 100 105 110
87 <210> SEQ ID NO: 3
88 <211> LENGTH: 96
89 <212> TYPE: PRT
90 <213> ORGANISM: mammalian
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93 Phe Pro Asp Gly Glu Phe Thr Thr Gln Asp Cys Pro Glu Cys Lys Leu
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96 Arg Glu Asn Lys Tyr Phe Phe Lys Leu Gly Val Pro Ile Tyr Gln Cys
97 20 25 30
99 Lys Gly Cys Cys Phe Ser Arg Ala Tyr Pro Thr Pro Ala Arg Ser Arg
100 35 40 45
102 Lys Thr Met Leu Val Pro Lys Asn Ile Thr Ser Glu Ser Thr Cys Cys
103 50 55 60
105 Val Ala Lys Ala Phe Ile Arg Val Thr Val Met Gly Asn Ile Lys Leu
106 65 70 75 80
108 Glu Asn His Thr Gln Cys Tyr Cys Ser Thr Cys Tyr His His Lys Ile
109 85 90 95
115 <210> SEQ ID NO: 4
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124 Cys Gly Phe Cys Ile Thr Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys
125 20 25 30
127 Tyr Thr Arg Asp Leu Val Tyr Lys Asp Pro Ala Arg Pro Asn Ile Gln
128 35 40 45
130 Lys Thr Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Lys Val Pro
131 50 55 60
133 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
134 65 70 75 80
136 Ala Cys His Cys Gly Lys Cys Asn Ser Asp Ser Thr Asp Cys Thr Val
137 85 90 95
139 Arg Gly Leu Gly Pro Ser Tyr Cys Ser Phe Gly Asp Met Lys Glu
140 100 105 110
143 <210> SEQ ID NO: 5
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145 <212> TYPE: PRT
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152 Phe Phe Ser Gln Pro Gly Ala Pro Ile Leu Gln Cys Met Gly Cys Cys
153           20           25           30
155 Phe Ser Arg Ala Tyr Pro Thr Pro Leu Arg Ser Lys Lys Thr Met Leu
156           35           40           45
158 Val Gln Lys Asn Val Thr Ser Glu Ser Thr Cys Cys Val Ala Lys Ser
159           50           55           60
161 Tyr Asn Arg Val Thr Val Met Gly Gly Phe Lys Val Glu Asn His Thr
162 65           70           75           80
164 Ala Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser
165           85           90
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170 <212> TYPE: PRT
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175 1           5           10           15
177 Cys Arg Phe Cys Ile Ser Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys
178           20           25           30
180 Tyr Thr Arg Asp Leu Val Tyr Lys Asp Pro Ala Arg Pro Lys Ile Gln
181           35           40           45
183 Lys Thr Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Arg Val Pro
184           50           55           60
186 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
187 65           70           75           80
189 Gln Cys His Cys Gly Lys Cys Asp Ser Asp Ser Thr Asp Cys Thr Val
190           85           90           95
192 Arg Gly Leu Gly Pro Ser Tyr Cys Ser Phe Gly Glu Met Lys Glu
193           100          105          110
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199 <213> ORGANISM: mammalian
201 <400> SEQUENCE: 7
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205 Lys Glu Asn Lys Tyr Phe Ser Lys Leu Gly Ala Pro Ile Tyr Gln Cys
206           20           25           30
208 Met Gly Cys Cys Phe Ser Arg Ala Tyr Pro Thr Pro Ala Arg Ser Lys
209           35           40           45
211 Lys Thr Met Leu Val Pro Lys Asn Ile Thr Ser Glu Ala Thr Cys Cys
212           50           55           60
214 Val Ala Lys Ala Phe Thr Lys Ala Thr Val Met Gly Asn Ala Arg Val
215 65           70           75           80
217 Glu Asn His Thr Glu Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser
218           85           90           95
224 <210> SEQ ID NO: 8
225 <211> LENGTH: 111
226 <212> TYPE: PRT

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227 <213> ORGANISM: mammalian
229 <400> SEQUENCE: 8
230 Asn Ser Cys Glu Leu Thr Asn Ile Thr Ile Thr Val Glu Lys Glu Glu
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233 Cys Asn Phe Cys Ile Ser Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys
234           20           25           30
236 Tyr Thr Arg Asp Leu Val Tyr Lys Asp Pro Ala Arg Pro Asn Ile Gln
237           35           40           45
239 Lys Thr Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Lys Val Pro
240           50           55           60
242 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
243   65           70           75           80
245 Glu Cys His Cys Gly Lys Cys Asp Ser Asp Ser Thr Asp Cys Thr Val
246           85           90           95
248 Arg Gly Leu Gly Pro Ser Tyr Cys Ser Phe Ser Glu Met Lys Glu
249           100          105          110
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253 <211> LENGTH: 96
254 <212> TYPE: PRT
255 <213> ORGANISM: mammalian
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258 Phe Pro Asp Gly Glu Phe Thr Met Gln Gly Cys Pro Glu Cys Lys Leu
259   1           5           10           15
261 Lys Glu Asn Lys Tyr Phe Ser Lys Pro Asp Ala Pro Ile Tyr Gln Cys
262           20           25           30
264 Met Gly Cys Cys Phe Ser Arg Ala Tyr Pro Thr Pro Ala Arg Ser Lys
265           35           40           45
267 Lys Thr Met Leu Val Pro Lys Asn Ile Thr Ser Glu Ala Thr Cys Cys
268           50           55           60
270 Val Ala Lys Ala Phe Thr Lys Ala Thr Val Met Gly Asn Val Arg Val
271   65           70           75           80
273 Glu Asn His Thr Glu Cys His Cys Ser Thr Cys Tyr Tyr His Lys Ser
274           85           90           95
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283 <213> ORGANISM: mammalian
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287   1           5           10           15
289 Cys Ser Phe Cys Ile Ser Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys
290           20           25           30
292 Tyr Thr Arg Asp Leu Val Tyr Lys Asp Pro Ala Arg Pro Asn Ile Gln
293           35           40           45
295 Lys Ala Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Lys Val Pro
296           50           55           60
298 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
299   65           70           75           80
301 Glu Cys His Cys Gly Lys Cys Asp Arg Asp Ser Thr Asp Cys Thr Val

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304 Arg Gly Leu Gly Pro Ser Tyr Cys Ser Phe Ser Asp Ile Arg Glu
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311 <213> ORGANISM: Homo sapiens
313 <400> SEQUENCE: 11
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315 1          5          10          15
317 Cys Arg Phe Cys Ile Ser Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys
318          20          25          30
320 Tyr Thr Arg Asp Leu Val Tyr Lys Asp Pro Ala Arg Pro Lys Ile Gln
321          35          40          45
323 Lys Thr Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Arg Val Pro
324          50          55          60
326 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
327 65          70          75          80
329 Gln Cys His Cys Gly Lys Cys Asp Ser Asp Ser Thr Asp Cys Thr Val
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333          100          105
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337 <211> LENGTH: 109
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339 <213> ORGANISM: Homo sapiens
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346          20          25          30
348 Tyr Thr Arg Asp Leu Val Tyr Lys Asp Pro Ala Arg Pro Lys Ile Gln
349          35          40          45
351 Lys Thr Cys Thr Phe Lys Glu Leu Val Tyr Glu Thr Val Arg Val Pro
352          50          55          60
354 Gly Cys Ala His His Ala Asp Ser Leu Tyr Thr Tyr Pro Val Ala Thr
355 65          70          75          80
357 Gln Cys His Cys Gly Lys Cys Asp Ser Asp Ser Thr Asp Cys Thr Val
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369 <400> SEQUENCE: 13
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373 Cys Arg Phe Cys Ile Ser Ile Asn Thr Thr Trp Cys Ala Gly Tyr Cys

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/744,431

DATE: 06/08/2001

TIME: 09:23:03

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date